



**SUMMARY TEST DATA  
ON  
PEC-42-500M40G-20-12-292FF**

PL27732/2006

Customer:		Tested By:	J. Emperador	
SO No:		Temperature:	+25°C	
Model No:	PEC-42-500M40G-20-12-292FF	Date:	02/03/2020	
Serial No:	PL27732/2006	Drawing No:	27623504	Rev: A3

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
1	Frequency Range	500 MHz – 40 GHz	500 MHz – 40 GHz (See Plot)	AB 3-2-20	
2	Gain	42 dB Typ	40.2 dB (See Plot)		
3	Gain Flatness	±2.5 dB Typ	±1.51 dB (See Plot)		
4	*Noise Figure	5.5 dB Typ	4.7 dB Pass		
5	Pout @ 1dB Compression	+19 dBm Typ 1-18 GHz +17 dBm Typ 18-40 GHz	+19.0 dBm 1-18 GHz +15.4 dBm 18-40 GHz Pass		
6	Psat	+23 dBm Typ 1-18 GHz +20 dBm Typ 18-40 GHz	+21.0 dBm 1-18 GHz +19.8 dBm 18-40 GHz Pass		
7	VSWR In	2.0:1 Max	1.90:1 (See Plot)		
8	VSWR Out	2.5:1 Max	2.16:1 (See Plot)		
9	Input Power Handling	+17 dBm CW Max	Pass		
10	DC Supply	+12 to +15 VDC @ 450 mA Typ	+12 to +15 VDC @ 477 mA		AB 3-2-20

\*Up To 26.5 GHz

QA/QC Approval: Arthur Zimmerman Date: 3-2-2020



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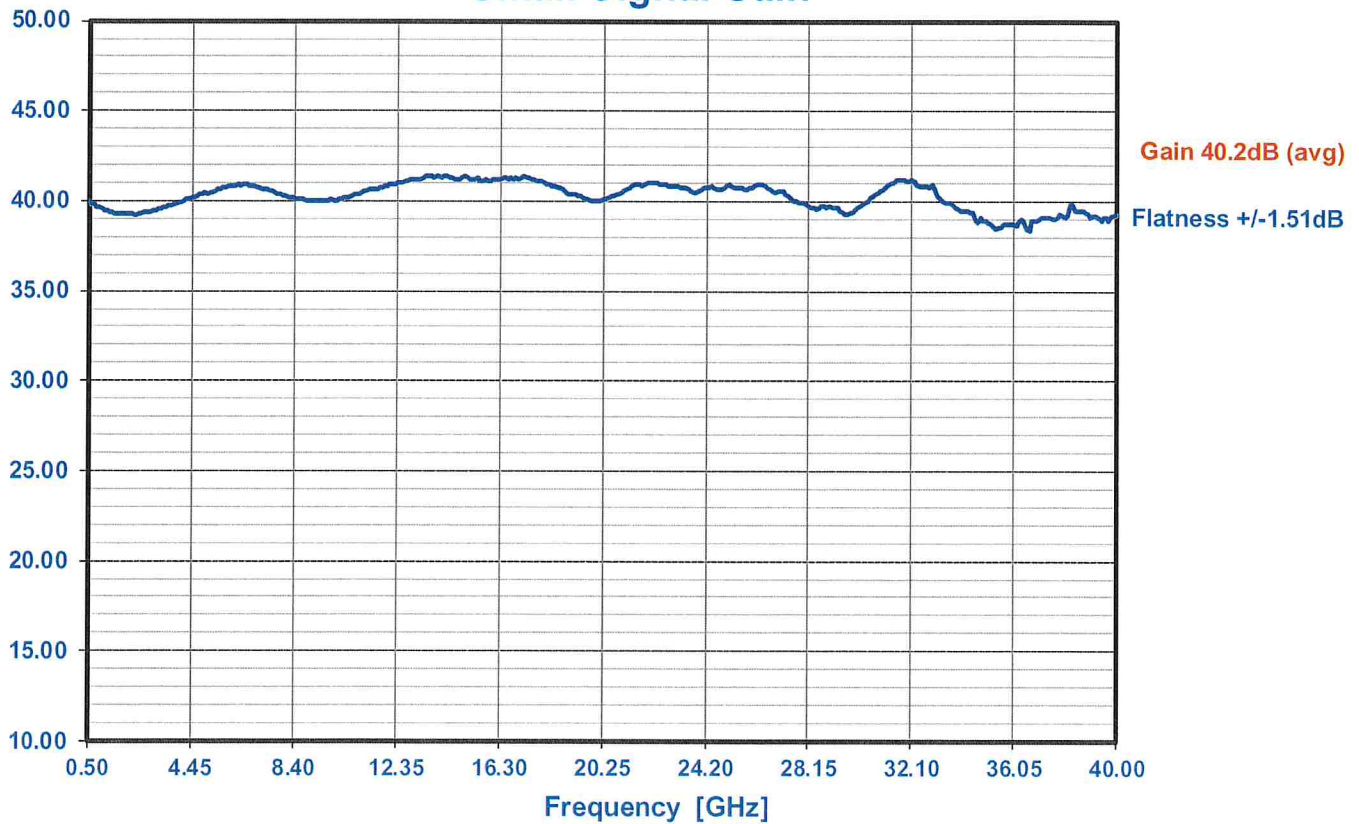
PL27732/2006

**Gain & Gain Flatness**

Model Number: PEC-42-500M40G-20-12-292FF  
Serial Number: PL27732

Temperature: +25C

**Small Signal Gain**





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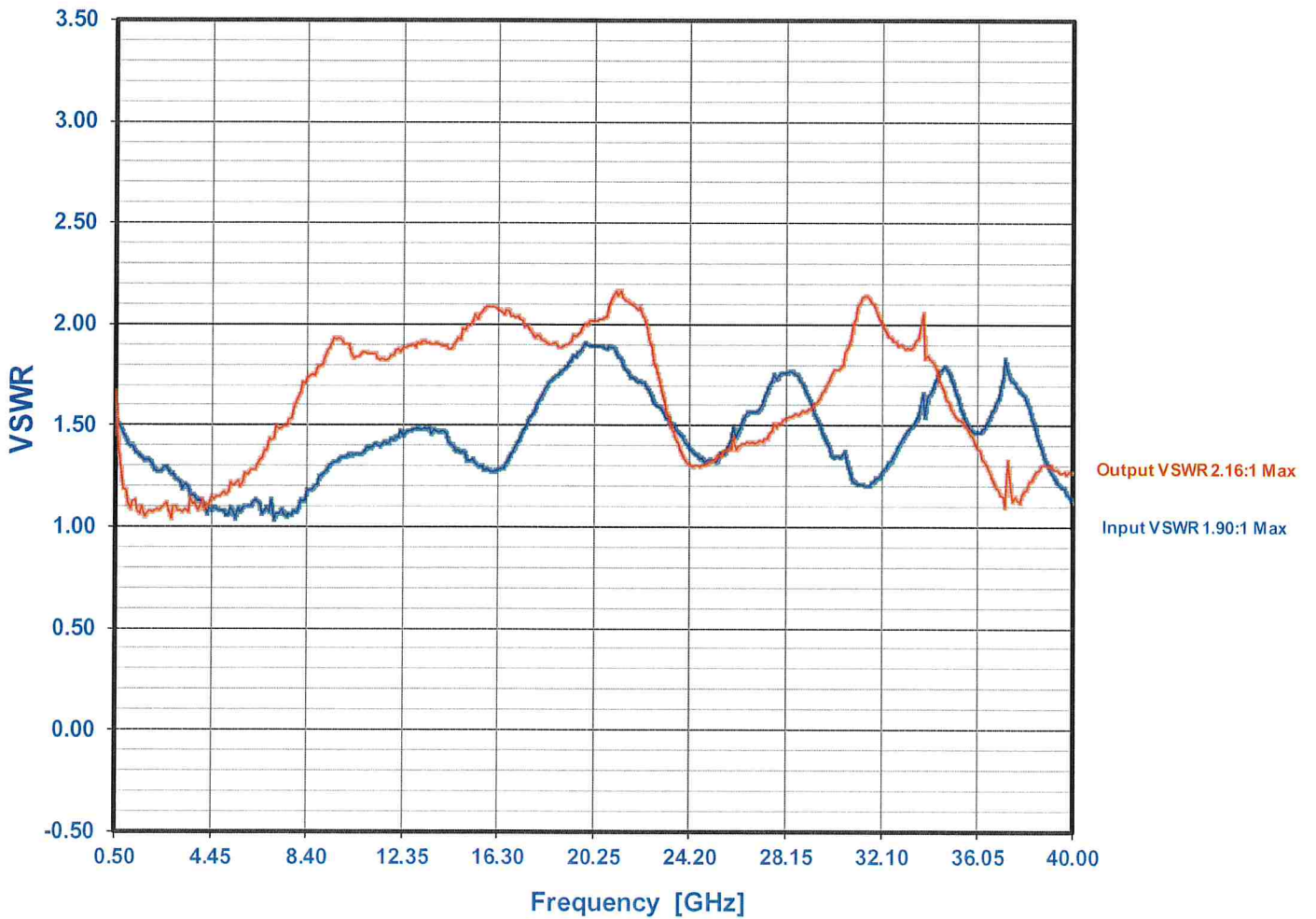
PL27732/2006

Input & Output VSWR

Model Number: PEC-42-500M40G-20-12-292FF  
Serial Number: PL27732

Temperature: +25C

**VSWR GRAPH**

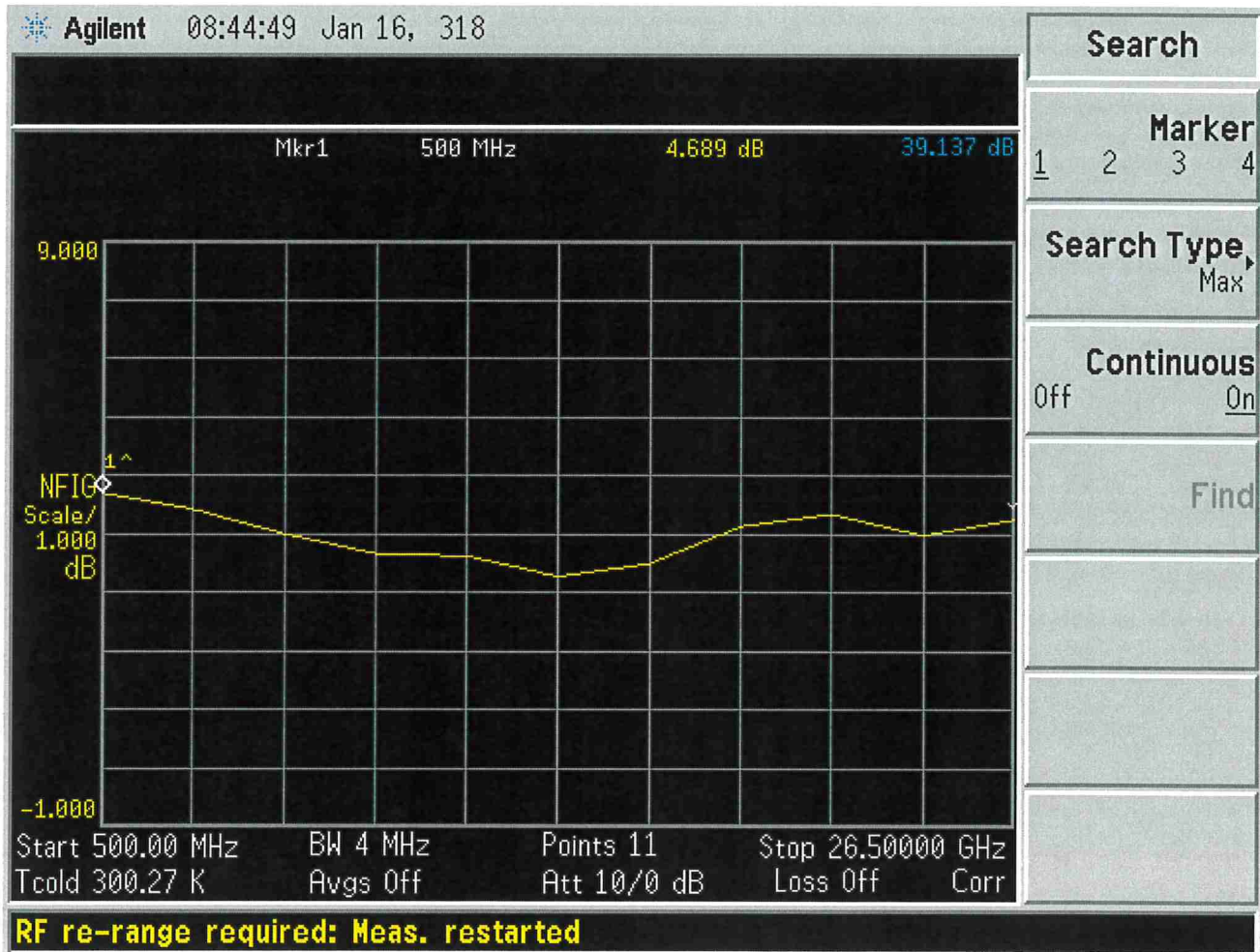




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Noise Figure Plot

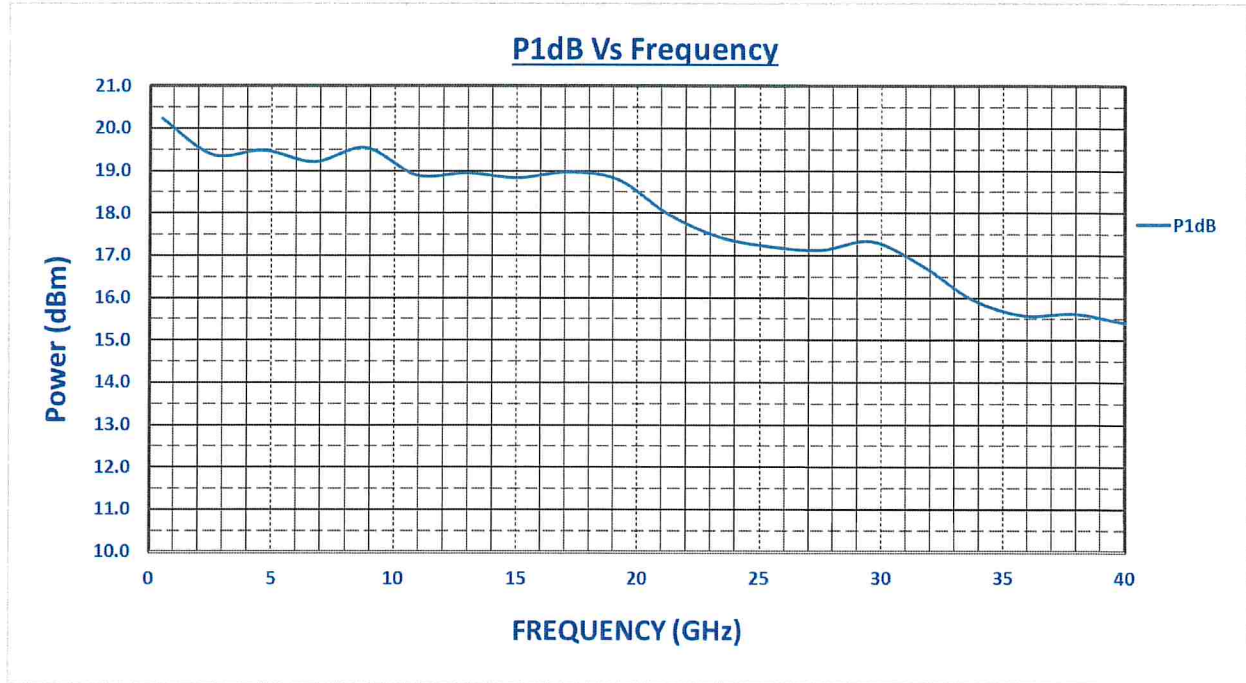




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**P1dB Plot**



**PSAT Plot**

